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ENVIRONMENTAL HEALTH SERVICES
TRANSMITTAL

Date July 30, 2008
Project E11117-09

To:
Ms. Flora Chan
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109

Re: Application # 17392, Former BP Facility #11117, 7210 Bancroft Ave., Oakland, CA

<u>Item</u>	<u>Description</u>
1	Site Summary
2	Copy of ACHCSA Approval Letter

Comments:

Dear Ms. Chan:

Per your request (E-mail dated July 23, 2008), please find attached the 'Site Summary' for Former BP Facility 11117 located at 7210 Bancroft Avenue, Oakland, California, to aid Bay Area Air Quality Management District in completing the required public notification process for the proposed dual phase extraction (DPE) system. Also attached is a copy of the Alameda County Health Care Services Agency's letter dated March 19, 2007, approving installation of a DPE system.

If you have any questions or need any additional information, please call me at (530) 676-6000 or Mr. Kiran Nagaraju at (530) 676-6007.

Sincerely,
Jay R. Johnson, P.G.
Project Manager

cc: Mr. Paul Supple, BP-ARCO (via electronic upload to Enfos only)
Mr. Paresh Khatri, Alameda County Health Care Services
Mr. Rob Miller, Broadbent and Associates, Inc

SITE SUMMARY

Former BP Service Station No. 11117

7210 Bancroft Avenue

Oakland, California

The site summary presented below was prepared based on our review and understanding of several reports prepared by prior consultants:

The subject site is an active 76-branded gasoline retail service station location at the north corner of Bancroft Avenue and 73rd Avenue in Oakland, California. BP acquired and operated the facility between 1989 and 1994 and then transferred the property to TOSCO Marketing Company (TOSCO). Environmental activities associated with the subject site are currently overseen by Alameda County Health Care Services Agency (ACHCSA); the contact information is listed below:

Mr. Paresh C. Khatri
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
Phone: (510) 777-2478 Fax: (510) 337-9335
E-mail: Paresh.Khatri@acgov.org
<http://www.acgov.org/aceh/lop/lop.htm>

The site currently consists of a service station building, three 12,000-gallon gasoline underground storage tanks (USTs), and one 10,000-gallon diesel UST, with associated product piping, fuel dispensers, and vent lines. A majority of the site is covered either with asphalt or concrete surfacing. In 1984, USTs (unknown capacity) were removed and a 6,000-gallon diesel UST, a 6000-gallon gasoline UST, a 10,000-gallon gasoline UST, and a 12,000-gallon gasoline UST were installed. In 1998, TOSCO removed these tanks and replaced them with the current tanks.

During the recent quarterly monitoring event completed on February 11 and 12, 2008, the depth to groundwater was in the range of 14 to 17.86 feet below groundwater surface. The general groundwater flow direction was towards the northeast direction at a gradient of 0.02 feet/feet. For the same monitoring event, the highest GRO, benzene, and MTBE concentrations were reported at 100,000 micrograms per liter ($\mu\text{g/L}$) (at DPE-4), 6,600 $\mu\text{g/L}$ (at DPE-4), and 8,400 $\mu\text{g/L}$ (at DPE-5), respectively. This is generally consistent with the historical groundwater analytical data. Historical quarterly groundwater monitoring reports and other site assessment reports for the subject site can be accessed through the Geotracker website at <http://www.geotracker.swrcb.ca.gov> maintained by the State Water Resources Control board.

Based on the data collected during site assessment studies, feasibility studies, and the quarterly groundwater monitoring events, subsurface soil and groundwater appear to be impacted with petroleum hydrocarbons. Broadbent and Associates, Inc. (BAI), in a corrective action plan (CAP) dated December 29, 2006, proposed to ACHCSA to install a dual phase extraction (DPE) system in conjunction with a groundwater treatment system (GTS) to mitigate the subsurface petroleum hydrocarbon impact. The CAP was subsequently approved by ACHCSA in a letter dated March 19, 2007.

The proposed DPE system is capable of extracting soil vapors and groundwater concurrently from the existing remediation wells. The extracted soil vapors will be abated in a thermal/catalytic oxidizer before discharging into the atmosphere, and the extracted groundwater will be treated using granular activated carbon prior to discharging to the sanitary sewer. Upon start-up of the DPE system and the GTS, Stratus will conduct routine site visits to check and optimize the performance of the remediation systems. Additionally, during these routine site visits, air and water samples will be collected in accordance with air and sewer discharge permits to verify compliance of the remediation systems. The field and analytical data collected from the remediation systems will be included in quarterly monitoring reports to ACHCSA that are due 30 days after the end of each quarter.